

Title (en)

A MOISTURE DETECTING MODULE AND A RECEIVING UNIT

Title (de)

MODUL ZUR FEUCHTIGKEITSERKENNUNG UND AUFNAHMEEINHEIT

Title (fr)

MODULE DE DÉTECTION D'HUMIDITÉ ET UNITÉ DE RÉCEPTION

Publication

**EP 2452183 A1 20120516 (EN)**

Application

**EP 10734361 A 20100709**

Priority

- NL 2010050444 W 20100709
- NL 2003163 A 20090709

Abstract (en)

[origin: WO2011005096A1] The invention relates to a moisture detecting module for monitoring a moisture state of a napkin. The module comprises a moisture sensitive sensor and a moisture non-permeable layer covering the sensor. The moisture non-permeable layer is arranged for attachment to a napkin surface that, during use of the napkin by a person, is facing towards the person's skin such that the moisture sensitive sensor contacts the napkin surface. The moisture detection module is a RLC circuit that acts as a RF-tag thereby transmitting moisture information to a remote reading device.

IPC 8 full level

**G01N 27/22** (2006.01); **A61F 13/42** (2006.01)

CPC (source: EP US)

**A61F 13/42** (2013.01 - EP US); **A61F 2013/424** (2013.01 - US); **A61F 2013/8479** (2013.01 - US); **G01N 27/121** (2013.01 - EP US)

Citation (search report)

See references of WO 2011005096A1

Citation (examination)

- US 5908411 A 19990601 - MATSUNARI MASAO [JP]
- JP 2008272331 A 20081113 - SUPER PHASE KK

Cited by

US11457848B2; US12048613B2; US11707387B2; US10653567B2; US11364155B2; US10115291B2; US10559187B2; US11950987B2; US10716715B2; US11020284B2; US11478383B2; US11707388B2; US11712186B2; US10159607B2; US10350116B2; US11147719B2; US11717452B2; US10022277B2; US10299968B2; US10646379B2; US10682263B2; US10973701B2; US11331227B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**WO 2011005096 A1 20110113**; AU 2010269226 A1 20120209; AU 2010269226 B2 20150319; CA 2767525 A1 20110113; CA 2767525 C 20171212; CN 102576000 A 20120711; EA 023505 B1 20160630; EA 201290019 A1 20120629; EP 2452183 A1 20120516; JP 2012532655 A 20121220; NL 2003163 C2 20110111; US 2012165772 A1 20120628; US 8962909 B2 20150224

DOCDB simple family (application)

**NL 2010050444 W 20100709**; AU 2010269226 A 20100709; CA 2767525 A 20100709; CN 201080040041 A 20100709; EA 201290019 A 20100709; EP 10734361 A 20100709; JP 2012519491 A 20100709; NL 2003163 A 20090709; US 201013382830 A 20100709